

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/052353

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12Q1/68 C12Q1/48 A01K67/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, BIOSIS, Sequence Search, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/18541 A (TRUSTEES OF BOSTON UNIVERSITY; FARB, DAVID, H; MARTIN, STELLA) 7 March 2002 (2002-03-07) cited in the application	1-17
Y	the whole document	1-17
X	FALANY C N ET AL: "Molecular cloning and expression of novel sulphotransferase-like cDNAs from human and rat brain" BIOCHEMICAL JOURNAL, THE BIOCHEMICAL SOCIETY, LONDON, GB, vol. 346, no. 3, 15 March 2000 (2000-03-15), pages 857-864, XP002275713 ISSN: 0264-6021 cited in the application the whole document	1,3-17
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "G" document member of the same patent family

Date of the actual completion of the international search

24 March 2005

Date of mailing of the international search report

04/04/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GLATT H ET AL: "Human cytosolic sulphotransferases: Genetics, characteristics, toxicological aspects" MUTATION RESEARCH, AMSTERDAM, NL, vol. 482, no. 1-2, 1 October 2001 (2001-10-01), pages 27-40, XP002275714 ISSN: 0027-5107 the whole document	1-17
A	HAN X ET AL: "Substantial sulfatide deficiency and ceramide elevation in very early Alzheimer's disease" MEDLINE, 1 August 2002 (2002-08-01), XP002965337 the whole document	1-17
P,Y	KIM S-B ET AL: "Neurosteroids: Cerebrospinal fluid levels for Alzheimer's disease and vascular dementia diagnostics" JOURNAL OF CLINICAL ENDOCRINOLOGY AND METABOLISM, NEW YORK, NY, US, vol. 88, no. 11, November 2003 (2003-11), pages 5199-5206, XP009028705 ISSN: 0021-972X the whole document	1-17
Y	WO 00/14251 A (INCYTE PHARMACEUTICALS, INC; TANG, Y., TOM; CORLEY, NEIL, C; GUEGLER,) 16 March 2000 (2000-03-16) In particular see SEQ ID NO: 7 the whole document	6-10
Y	JANUS C ET AL: "Transgenic mouse models of Alzheimer's disease" BIOCHIMICA ET BIOPHYSICA ACTA. MOLECULAR BASIS OF DISEASE, AMSTERDAM, NL, vol. 1502, no. 1, 26 July 2000 (2000-07-26), pages 63-75, XP004276974 ISSN: 0925-4439 the whole document	6-10

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### Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
see FURTHER INFORMATION sheet PCT/ISA/210
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

Continuation of Box II.1

Although claim 5 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound.

Although claim 15 comprises a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/052353

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0218541	A	07-03-2002	AU	9501801 A	13-03-2002
			WO	0218541 A2	07-03-2002
WO 0014251	A	16-03-2000	AU	6142899 A	27-03-2000
			CA	2343351 A1	16-03-2000
			EP	1109917 A2	27-06-2001
			JP	2004512804 T	30-04-2004
			WO	0014251 A2	16-03-2000